

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001140 A2

(51) International Patent Classification⁷: C12Q 1/68,
C07H 21/00

Cathy [US/US]; 23908 35th Avenue W., Brier, WA 98036
(US). EBERT, Mathias [DE/DE]; Lentkestrasse 47,
D-39116 Magdeburg (DE).

(21) International Application Number:
PCT/US2004/020279

(74) Agents: DAVISON, Barry, L. et al.; 2600 Century Square,
1501 Fourth Avenue, Seattle, WA 98101-1688 (US).

(22) International Filing Date: 23 June 2004 (23.06.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/603,138 23 June 2003 (23.06.2003) US

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

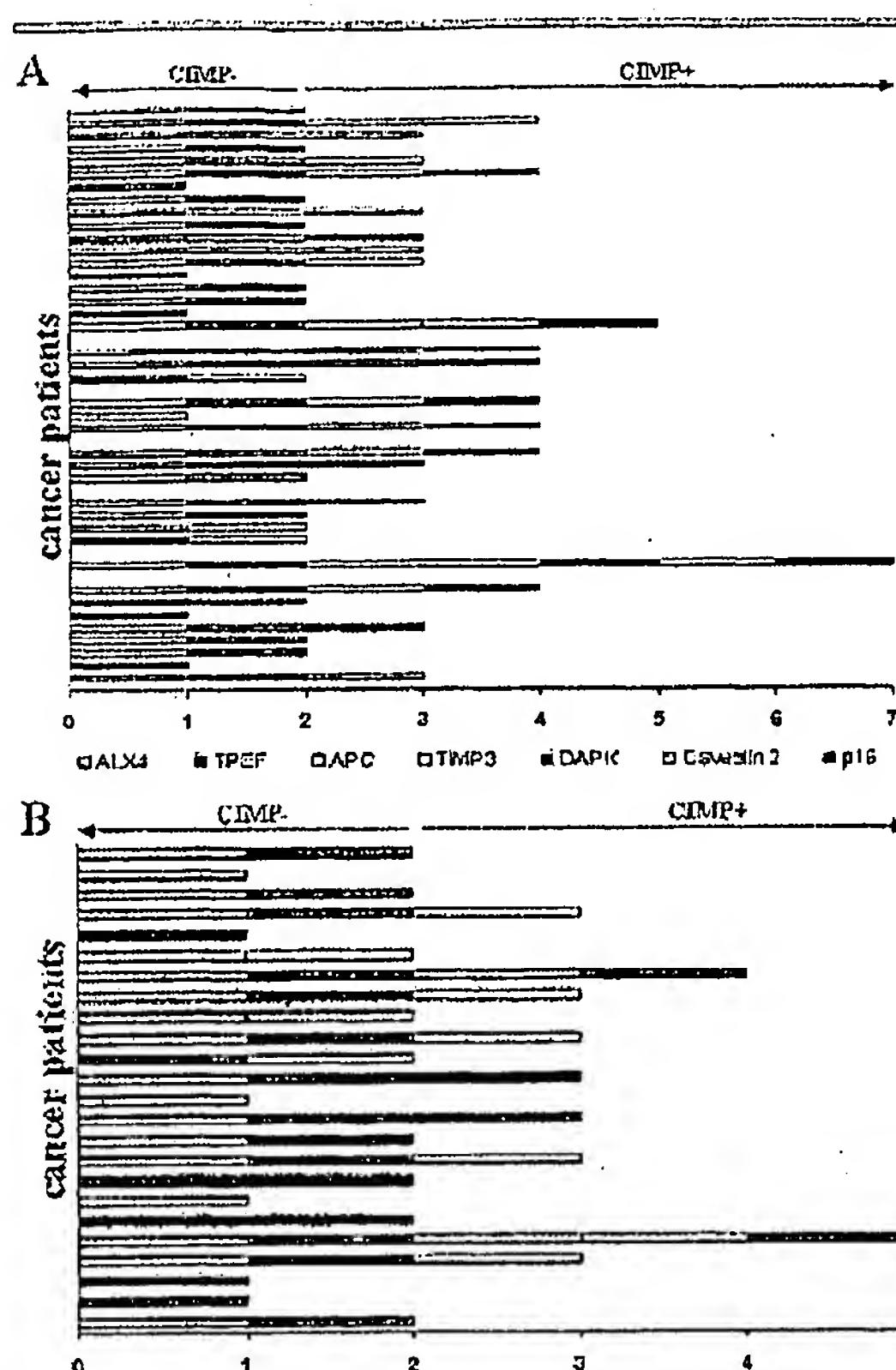
(71) Applicant (for all designated States except US): EPIGE-
NOMICS AG [DE/DE]; Kastanienalle 24, D-10435 Berlin
(DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LOFTON-DAY,

[Continued on next page]

(54) Title: METHODS AND NUCLEIC ACIDS FOR THE ANALYSIS OF COLON CELL PROLIFERATIVE DISORDERS



(57) Abstract: The invention provides methods, nucleic acids and kits for detecting colon cell proliferative disorders. The invention discloses genomic sequences the methylation patterns of which have utility for the improved detection of and differentiation between said class of disorders, thereby enabling the improved diagnosis and treatment of patients.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*